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S.PADMAKUMAR, B.Tech, MBA  
Management Expert

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Er. S.Padmakumar is one of the Managing Partners of TEC CET Consultants LLP, a consultancy organization in the Engineering field in general and Renewable Energy in particular. He had more than thirty four years' experience in the different sectors of economy as an Engineering professional wherein he got the privilege to work closely with top Bureaucrats viz. Principal Secretaries, Chairmen of KSEB and Directors of Autonomous Bodies which enabled me to address the issues and solve the problems in a large perspective. Also, he had the fortune to get exposure to work with International and National consultant as Board, EMC and Government counterpart.

### **Profile**

- A Power Management Professional with 34 years of experience in multi discipline areas of engineering with wide spread experience in policy frame work, contract management, project implementation, finance management public administration and capacity building.

### **Professional Achievements**

- Part of team to complete the construction of three storeyed building during the tenure of apprenticeship
- Responsible of construction of six storeyed GPO Building of Postal Department

- Part of Construction Wing of Southern Railway to complete the 70 Km gauge conversion from MG to BG between Mysore-Bangalore Stretch within a span of three years.
- Responsible for preparation of three Annual Plans and one Five year Plan of KSEB.
- Worked with International Consultant as part of EISP Project funded by CIDA-Canada for restructuring of KSEB.
- Part of Investment Promotion team to attract 520 MW Thermal Project investments through Pvt. Sector to tide over the power shortage faced by the State.
- Responsible for development of Power Purchase Agreement for SHPs.
- Assist Government and Power Department to attract private investment about 65MW in Small Hydro Sector and 32 MW in Wind Power Sector.
- Part of the core team of EMC for the implementation of BLY programme along with KSEB and distribute 1.25 Crore CFLs to domestic consumers. This programme was implemented within three months and KSEB was able to reduce the peak power demand by 300MW.
- Part of Core team for setting up of Green building in the EMC Campus at Sreekariyam.

### **Educational and Professional Qualification.**

- MBA – Finance, 2002, College of Engineering, Kerala University.  
Thesis: A Study of Electricity Reforms in Kerala and its impact on Kerala State Electricity Board.
- Worked with SNC-Lavalin as part of EISP Project in KSEB for more than three years.
- Worked with M/s IDFC –Management Consultant for the preparation of policy document, tender document, and selection of private developers for setting up small hydro projects.
- B.Tech –Civil Engineering , 1986, College of Engineering, Trivandrum

## **Professional Experience.**

### **Executive Engineer, Civil, K.S.E.Board Ltd Nov, 2019 to May, 2020**

Responsible for contract management for on-going works of Sengulam Augmentation (85Mu), Western Kallar SHP(2MW) and tendering works of Vadakkepuzha Extension Scheme (0.7Mu), Peechad Small Hydro Electric Project (3MW), Western Kallar SHP (5MW), attending court litigation cases under Chief Engineer (Civil Construction) South, General matters including preparation of budget and Annual Plan of Office of the Chief Engineer(Civil – Construction) South. Assisted Chief Engineer (Civil- investigation & Construction Central) to obtain funds from MNRE for SHPs under Central Financial Assistance and also assistance to submit necessary utilization certificate to MNRE for availing the funds for KSEB implemented SHP Projects.

### **Registrar, EMC - April, 2008 to Nov 2019**

Energy Management Centre an autonomous body in the Department of Power, Government of Kerala and also state designated agency of Bureau of Energy Efficiency, Ministry of Power, Government of India.

- ✓ Responsible for general administration of EMC.
- ✓ Secretary to Executive Committee and Governing body of EMC.
- ✓ To assist director in the implementation of policies and programs of renewable, energy efficiency and demand management projects in different sources of energy and different sector of consumers and utilities.
- ✓ To provide assistance in development of policies and strategies for EMC as SDA with a thrust on self regulation and market principles within the ambit of Energy conservation Act, 2001.
- ✓ To arrange HRD programs for capacity building of technical personnel in energy efficiency and non-conventional areas.
- ✓ To formulate and finalise proposal for setting up Green Building Institute in the newly allotted campus at Sreekariyam and its project management.
- ✓ Worked with full additional charge as Finance Manager since Feb 2013 which includes management of funds, upkeep and maintenance of

funds, formulation of annual budget estimates, finalization of accounts, and expenditure control etc.

**June 2003 till date.**

**Technical Member of SHP Cell constituted by Power Dept.**

Deputed from KSEB on working arrangement basis in the newly formed SHPCell under the direct control of Power Secretary, Government of Kerala to support the Power Department in formulation of policies, tender procedure and allotment of SHPs to Pvt. Investors on a Competitive Bidding Route and administration of agreements executed with the Pvt. Developers.

Technical Member of SHPCell

- ❖ Instrumental in preparation of Guidelines for setting up Small Hydro Projects under CPP/IPP Category through Bidding Route.
- ❖ Instrumental in preparation of Guidelines for setting up Wind Policy in Government and Pvt. Land.
- ❖ Preparation of RFQ and RFP documents for allotment of SHP projects through Competitive Bidding Route.
- ❖ Assist High Power Committee for selection of Investors in Setting up SHP Projects through Competitive Bidding Route and attracted investment to the tune of about 360 Crores in SHP Sector by allotment of projects totaling to 60 MW. Already 10 MW was already commissioned and KSEB is drawing power from the projects.
- ❖ Assist High Power Committee and Power Secretary to review the progress of implementation of projects allotted to Pvt. Developers.
- ❖ Administration of Implementation Agreements executed with Pvt. Developers by Government.
- ❖ Provided Consultancy service for setting up Wind Farm at Ramakkalmedu jointly to be developed by KSEB and ANERT
- ❖ Provide support to KSEB for selection of Consultant for restructure of KSEB as per the provisions of EA 2003.

## **August 1993 to 2003**

Kerala State Electricity Board is the largest State Public Undertaking in the Kerala State with more than 25,000 Employees and annual revenue of Rs. 5900 Crores.

### *Assistant Engineer (1993-97)*

- Responsible for the preparation of Three Annual Plans and one Five year Plan of KSEB.
- To provide support to Board for review of implementation of power projects.
- Provide support to Chief Engineer and Board for preparation of note for the demand for Grants, Budget Speech and Subject Committee Meeting.
- Prepare draft replies to LA Interpellation Questions.

### *Assistant Executive Engineer (1997-2002)*

- Worked as Assistant Executive Engineer in the Investment Promotion Cell constituted to attract private investment in Thermal Sector to tide over Power Crisis.
- Attracted Pvt. Investment for an Installed Capacity of 530MW in the Thermal Sector.
- Responsible for development of hydro PPA and tariff model for SHPs.
- Assist Chief Engineer for preparation of affidavit for refixing of tariff for the purchase of power from Kayamkulam Thermal Plant.
- Responsible for the preparation of Bankable DPRs for Athirappilly Hydro Project (163MW) with the support of International Consultant to avail the assistance from FIs.

## **1990-1993**

Southern Railway as Permanent Way Inspector

- Worked as Permanent Way Inspector in the Construction Wing of Southern Railway.

- Received one year induction level training from the different wings of the railways such as mechanical, electrical, signals, Bridges Divisions before inducted in to the permanent service.
- Part of the team responsible for the completion of the Mysore to Bangalore metre Gauge to Broad Gauge with in a period of three years.

### **1989-1990**

Project Engineer in Rambal Company, Engineers & Contractors

- ✓ Worked as project engineer of the company for the construction of six storied General Post Office Building for the Postal Department.
- ✓ Assist the Company to implement the project as per tender conditions and within the time schedule.

### **1987-1988**

Graduate Engineering Apprentice in Kerala State Construction Corporation

- ✓ Received training in site management, accounting and supervision of construction works of multi storied building.

### **Professional Membership**

- Member of Institution of Engineers (India)
- Member of Trivandrum Management Association
- Member of Kerala International Centre.
- College of Engineering Trivandrum Alumni Association

S.Padmakumar